Approved For Release 2002/08/15 : CIA-RDP84-00780R000900040015-5

DD/S REGISTRY
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	No. 1	
	MEMORANDUM FOR: Director of Central Intelligence	
	SUBJECT : 1966 Horace Hart Award	
	1. This memorandum submits for your signature a letter and a document nominating Mr.	ОТ 4
	for the 1966 Horace Hart Award.	STA
	2. The attached letter from her. Samuel M. Burt, Managing	
	Director of the Education Council of the Graphic Arts Industry invites	
	the Agency to nominate candidates for the 1966 Horace Hart Award.	
	This award is given annually to employees in government service for distinguished service in the field of printing and publishing. Mr.	
STAT	Chief of the Agency's Printing Services Division was the	STA
31/1	winner of the first Horace Hart Award presented in 1963.	
STAT	3. Mr. printing production specialists	
	in our Printing Services Division, were named by the Deputy Director	
	for Support as candidates for the 1960 Horace Hart Award. Since these	
	two individuals have worked together in the printing research and development program in the Agency and both are well known in the field	
	of government printing and publishing, it is considered appropriate to	
	nominate them as a team.	
	4. The nominating document has been reviewed and concurred in	
STAT	by Mr on behalf of the Director of Logistics and by a	
	representative of the Office of Security. The closing date for receipt of nominations is 15 November 1965.	
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		STA
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	Turnett D. Echols	
	Cirector of Personnel	
	Attachments: A/S	
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Mr. Samuel M. Burt
Education Council of the
Craphic Arts Industry, Inc.
1925 13th Street, R. W.
Washington, D. C.

Dear Mr. Burt:

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		tit the nomination of Mr.	STA
Hart Award		for the fourth Annual Serace	
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MI.		. working as a team, have not de	
a significa:	d contribution to the a	dvancoment of the technology of	
printing by	their work in the area	of research and development in the	
graphic art	s. They have materia	lly contributed to a nighty efficient	
and ellectiv	re printing and publish	ing service is our Agency and to the	
United State	es intelligence effort.	I ballove that their unusual compe-	
tence and ti	tels leadership in the	very important field of printing and	
publishing	merit public recognition		
my	thanks to you and to th	to recesions of the Education Council	
for continui	ng this most worthwhi	ile pregram to henor distinguished	
Bublic serv	E		
	ice. The CIA was ind	sed becored to have Mr.	STA
germanian might st	selected as the winner	sed becored to have hir.	STA
Originator:	selected as the winner	sed becored to have Mr.	STA
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Originator:	Director of Personnel SITHED R. E. Bannerstan	sed becored to have Mr	STA
Originator:	Director of Peggonnel SIMED R. L. Bannerman	sed becored to have Mr. If of the Horace Hart Award in 196 s. Sincerely, Sincerely, A sector	STA

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1-Signing Official 2-DD/S 1-D/Security

in enswer to your invitation, the Central Intelligence Agency

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NOMINATION OF MR have had a leading role Mr. 1 in the development and improvement of the Central Intelligence Agency's printing and publishing service -- a large highly complex printing operation of which the Agency is justly proud. The contributions made by these two individuals have not only added materially to the informational capabilities of the Central Intelligence Agency, but have also been of great significance to both the commercial printing industry and to government agency printing operations. Mr. are assigned to the Staff of the Chief, Printing Services Division in CIA and are responsible for developing new techniques, processes, and equipment for producing all types of Agency printing. They work as a team on a comprehensive research and development program involved with all phases of printing, including computerized page composition. This program has resulted in many improvements in photographic and printing techniques and the development of specialised hardware and equipment. Mr. have devoted special attention to the development of hardware to implement new technological processes developed by them and others in the printing and publishing field. They have prepared specifications for such hardware and have supervised the building of special equipment which is now effectively used in daily printing operations in this Agency. A number of these improvements and pieces of equipment are covered by patents, granted, contemplated, or applied for in the name of the Government or employees.

These two individuals, who are well known in the field of publishing and printing, have greatly assisted in the expansion of printing by private enterprise by making known new ideas and techniques for various printing processes. Their contribution to the increase of knowledge of the printing and publishing industry includes the development of a wide variety of apparatus not previously available to the industry. Included are a special microfilm camera for a large storage and retrieval system, precision microfilm exposure control, rapid scanning microdensitemeter, color identification cameras, automated continuous tone copy cameras, automated document sorting apparatus, apparatus for automatic feeding and stacking of documents, random length rell chopping of prints for use with electrestatic printers, mark-sensing devices for use in automatic chopping of microfilm prints made from retary camera microfilm, and various improvements in the state of the art in manuscript editing using punched paper tape.

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	manuscript preparation and editing, with machine language as a by-product,
	for use in computerized photocomposition. They have developed and are now
	programming a revolutionary system of computerized page composition
	featuring a new method of 'hypheniess justification." Hypheniess justification
	is accomplished by varying the set size on a line-for-line basis. The computer
	is programmed to locate the line endings (without hyphens), determine the
	required set size, and punch the necessary codes in the control tape. This
	technique greatly simplifies computer programming as no dictionary is needed.
	It also contributes to greater computer speed as no hyphenation look-up function
	is involved. This system includes a unique format for computer printout for
	use in proofreading, which is the first such system known to use floating accents.
	upper and lower case, word numbers for corrections, and a simple straight
ŀ	forward method of indicating special symbols, functional codes, and format
	data. The work of the nominees is contributing greatly to the knowledge of the
	printing and publishing industry as information on most of the above has been
ŢΑΤ	freely disseminated. Mr. work on the computerized photocomposition
	system and particularly hypheniess justification has been made available to the
	industry through discussions at seminars and by articles in trade magazines.
TAT	Mar. A recognized authority in the microphotography field, is the
	principal inventor of the "Scanalume", an exposure control device for use on
	the Walnut System microfilm cameras. This device, which mades it possible
	to produce microfilm images of a far greater uniformity than possible with any
	other apparatus previously available. is described in Mr. paper
	New Techniques For Microfilm Exposure Control presented at the Eleventh
	Annual Convention of the National Microfilm Association in 1962.
	It is the consensus of senior key officials in the Central Intelligence
TAT	Agency that Mr. individually and working as a team,
	have had important roles in the development of an effective printing service
	which is credited with accomplishments of great significance to this Agency and to
	our national intelligence efforts. Both of these career officers have been honoral
	by CIA for their contributions to intelligence publishing and with other seembers
	with agency's Frinting Services Division were given special recognition in a
<u> </u>	Fresidential Citation during the 10th Anniversary Year of the Federal Incentive
TAT	wards Program. Mr. was have not next one blu con-
	tributed greatly in advancing the technology of printing and publishing and possess
	a aign potential for continued contribution in the very important art and science of
	printing production are fitting representatives of the many outstanding problems as
	in CIA who are working in the graphic arts.

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